

REQUIRED INFORMATION FOR HIGH-PILED COMBUSTIBLE STORAGE

(Storage height greater than 12 feet)

(See Chapter 23 of the 2003 International Fire Code and NFPA 13, 2002 Edition for specific code requirements.)

- 1. Chapter 23 of the International Fire Code. Plans and specifications submittal. At the time of permit application, plans and specifications including the information specified in Section 2301.3 shall be submitted for review and approval. The plans shall include the following:
 - 1) Floor plan of the building showing locations and dimensions of high-piled storage areas.
 - 2) Useable storage height for each storage area, AND Minimum Ceiling/Roof Deck Height.
 - 3) Number of tiers within each rack, if applicable. Indicate if there is solid shelving.
 - 4) Commodity clearance between top of storage and the sprinkler deflector for each storage arrangement.
 - 5) Aisle dimensions between each storage array.
 - 6) Maximum pile volume for each storage array.
 - 7) Location and classification of commodities in accordance with Section 2303.
 - 8) Location of commodities which are banded or encapsulated.
 - 9) Location of required fire department access doors.
 - 10) Type of fire-suppression and fire-detection systems. <u>INCLUDE</u>: Fire Sprinkler System: <u>Design Density (GPM/sq.ft.)</u>, Temperature Rating of Sprinkler Heads, Sprinkler Head "K-Factor" and <u>Minimum Sprinkler Operating Pressure</u>.
 - 11) Location of small hose connections, valves controlling the water supply of ceiling and in-rack sprinklers.
 - 12) Type, location and specifications of smoke-removal and curtain board systems. (Not required with ESFR Fire Sprinkler Systems.)
 - 13) Dimension and location of transverse and longitudinal flue spaces.
 - 14) Additional information regarding required design features, commodities, storage arrangement and fire-protection features within the high-piled storage area shall be provided at the time of permit, when required by the chief.

PROVIDE ALL INFORMATION & DATA REQUESTED OR THE PLAN REVIEW PROCESS MAY BE DELAYED!

SEE OVER PAGE FOR PLAN SUBMITTAL WORKSHEET

RENO FIRE DEPARTMENT STORAGE PERMIT APPLICATION WORKSHEET

ITEM	INFORMATION REQUIRED	INFORMATION PROVIDED	
1	Floor Plan of entire building.	Yes No	
	a. Scalable Floor Plan of Storage Occupancy	Yes	No
	b. Dimensions of High-Piled Storage Area (Rack and/or	Ft. in.	
	Shelving Area PLUS 15 feet beyond in any open direction)	Area:	Sq. ft.
	 c. Location of Smoke/Heat Vents (Not required with ESFR fire sprinkler systems) 	Yes	N/R*
	 d. Location of Curtain Boards (Not required with ESFR fire sprinkler systems) 	Yes	N/R*
	e. Location of Fire Department Access Doors	Yes	N/R*
	f. Aisle Dimension between storage arrays/racks	Ft.	in.
	g. Location of Small Hose Stations if provided.	V 1 10 211 0	
	h. Location of Fire Sprinkler Riser and System Control Valves	Yes	No
2	Minimum Height from floor to ceiling/roof deck	Ft.	in.
3	Maximum Storage Height	Ft.	in.
4	Elevation View of Storage Racks or Shelves, Number or Tiers		
	a. Solid Shelving? (Circle correct answer)	Yes	No
	b. Dimension and Location of Flue Spaces	Yes	N/R*
5	Clearance between Top of Storage and Sprinkler Deflectors	Ft.	in.
6	Location and Classification of Commodities (IFC 2303)		
	a. Class I Commodities	Yes	No
	b. Class II Commodities	Yes	No
	c. Class III Commodities	Yes	No
ſ	d. Class IV Commodities	Yes	No
	e. High-Hazard Commodities	Yes	No
	f. Group A Plastics	Yes	No
	g. Group B Plastics	Yes	No
	h. Group C Plastics	Yes	No
7	Location of Commodities Banded or Encapsulated		
8	Maximum Solid Pile/Shelf Storage Volume for each storage array		Cu.ft.
9	Fire Sprinkler System Data:		
	a. Design Density, Ceiling		Gpm/ft ²
-	b. Temperature Rating, Ceiling Sprinkler Heads		°F
	c. K-Factor of Sprinklers (i.e.: 8.0, 11.2, 14, 16.8, 25.2, etc.)	K =	974 987 (988)
F	d. Minimum Sprinkler Operating Pressure (i.e.: 15, 25, 50, 75)	Pressure =	psi
ľ	d. In-Rack Sprinklers? (Circle correct answer)	Yes	N/R*
-	e. Temperature Rating, In-Rack Sprinkler Heads (If required)		°F

⁼ Not Required

IMPORTANT NOTE: A response to <u>all</u> of the above listed items <u>must</u> be provided in order to process your application for a High-Piled Rack or Shelving Storage Plan.

Please provide the appropriate information or mark a response as N/R if not required.